



Db 61 YLFNLSVSDLAFLCTPLMLIRSYANGNWIYGDVLCISNRYVLHANLYTSILFLTFISIDR 120  
Qy 121 YLIITKYPREHLLQKKEFAILISLAIWLVLTLELLPILPLINPVITDNGTTCNDPSSGD 180  
Db 121 YLIITKYPREHLLQKKEFAILISLAIWLVLTLELLPILPLINPVITDNGTTCNDPSSGD 180  
Qy 181 PNYNLIYSMCLTLLGFLPLFVWMCFFYKIALFLKQRNQVATALLPLEKPLNLVIMAVI 240  
Db 181 PNYNLIYSMCLTLLGFLPLFVWMCFFYKIALFLKQRNQVATALLPLEKPLNLVIMAVI 240  
Qy 241 FSVFPTPHVMNRVIRASRLGSKQYQCTQVQVINSFYIVTRPLAFNLNSVINPVFVFLIGD 300  
Db 241 FSVLFTPHVMNRVIRASRLGSKQYQCTQVQVINSFYIVTRALGFLNSVINPVFVFLIGD 300  
Qy 301 HFRDMLNQLRHNFKSLTSFSRWAHELLSPREK 334  
Db 301 HFRDMLNQLRHNFKSLTSFSRWAHELLSPREK 334

RESULT 2  
US-08-749-707-2  
; Sequence 2, Application US/08749707  
; Patent No. 6063582  
; GENERAL INFORMATION:  
; APPLICANT: Conley, Pamela B.  
; APPLICANT: Jantzen, Hans-Michael  
; TITLE OF INVENTION: NOVEL PURINERGIC RECEPTOR  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MORGAN, LEWIS & BOCKIUS LLP  
; STREET: 1800 M Street, N.W.  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20036-5869  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/749,707  
; FILING DATE: 15-NOV-1996  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Adler, Reid G.  
; REGISTRATION NUMBER: 30,988  
; REFERENCE/DOCKET NUMBER: 044481-5010-01-US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-467-7000  
; TELEFAX: 202-467-7176  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 334 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-749-707-2

Query Match 98.7%; Score 1725; DB 3; Length 334;  
Best Local Similarity 99.1%; Pred. No. 3.6e-119; Indels 0; Gaps 0;  
Matches 331; Conservative 0; Mismatches 3;  
Qy 1 MLGIMANNATCKNLAAEAALKYLSIFYGIEFVGVGLNTIVVYGIYFSLKWNSSNI 60  
Db 1 MLGIMANNATCKNLAAEAALKYLSIFYGIEFVGVGLNTIVVYGIYFSLKWNSSNI 60  
Qy 61 YLFNLSVSDLAFLCTPLMLIRSYANGNWIYGDVLCISNRYVLHANLYTSILFLTFISIDR 120  
Db 61 YLFNLSVSDLAFLCTPLMLIRSYANGNWIYGDVLCISNRYVLHANLYTSILFLTFISIDR 120  
Qy 121 YLIITKYPREHLLQKKEFAILISLAIWLVLTLELLPILPLINPVITDNGTTCNDPSSGD 180

Db 121 YLIITKYPREHLLQKKEFAILISLAIWLVLTLELLPILPLINPVITDNGTTCNDPSSGD 180  
Qy 181 PNYNLIYSMCLTLLGFLPLFVWMCFFYKIALFLKQRNQVATALLPLEKPLNLVIMAVI 240  
Db 181 PNYNLIYSMCLTLLGFLPLFVWMCFFYKIALFLKQRNQVATALLPLEKPLNLVIMAVI 240  
Qy 241 FSVFPTPHVMNRVIRASRLGSKQYQCTQVQVINSFYIVTRPLAFNLNSVINPVFVFLIGD 300  
Db 241 FSVLFTPHVMNRVIRASRLGSKQYQCTQVQVINSFYIVTRALGFLNSVINPVFVFLIGD 300  
Qy 301 HFRDMLNQLRHNFKSLTSFSRWAHELLSPREK 334  
Db 301 HFRDMLNQLRHNFKSLTSFSRWAHELLSPREK 334

RESULT 3  
US-08-559-524A-4  
; Sequence 4, Application US/08559524A  
; Patent No. 5871963  
; GENERAL INFORMATION:  
; APPLICANT: Conley, Pamela B.  
; APPLICANT: Jantzen, Hans-Michael  
; TITLE OF INVENTION: NOVEL PURINERGIC RECEPTOR  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MORGAN, LEWIS & BOCKIUS LLP  
; STREET: 1800 M Street, N.W.  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20036-5869  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/559,524A  
; FILING DATE: 15-NOV-1995  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Adler, Reid G.  
; REGISTRATION NUMBER: 30,988  
; REFERENCE/DOCKET NUMBER: 044481-5010-00-US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-467-7000  
; TELEFAX: 202-467-7176  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 373 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-559-524A-4

Query Match 28.4%; Score 495.5; DB 2; Length 373;  
Best Local Similarity 36.4%; Pred. No. 3.1e-29;  
Matches 117; Conservative 59; Mismatches 124; Indels 21; Gaps 9;  
Qy 7 W-NATCKNLAA----BAALEK----YYLSIFYGIEFVGVGLNTIVVYGIYFSLKWN 56  
Db 25 WGNSTVSTAASVAPFKCAUTKTGTFYYPVAVYILFIIGFLGNSVAIWMFVFMKPKWS 84  
Qy 57 SSNTYLFNLSVSDLAFLCTPLMLIRSYAN--GNMIYGDVLCISNRYVLHANLYTSILFLTF 115  
Db 85 GISVYMNALADLYVLTLFALLIFYFNKTDWIFGDAMCKLQRFIFHVNLYGSLFLTC 144  
Qy 116 ISIDRYLIITKYPREHLLQKKEFAILISLAIWLVLTLELLPILPLINPVITDNGT-TCND 174  
Db 145 ISAHRYSGVYVPLKSLGRLLKKNAVIVSLWLVVVGISPIILFYSGTIGRKNKTIICD 204  
Qy 175 PASSGDPNYNLIYSMCLTLLGFLPLFVM--CFPYKIALFLKQRNQVATALLPLE-ERPL 231

Db 205 TTSDYLRSYFYSMCTTAMFCVPLVLLIGCGILVRALIVDLDNS-----PLRRKSI 259  
QY 223 NVIVAVIVSFVPEFPHVMNRVRIASRLGSKWQYQCT-QVINSFYITRPLAFINSVI 290  
Db 260 YVIVIVLVFAVSYPFHVMKTMNLRLARLDFQPEWCANFNDRVATYQVTRGLASINS CV 319  
QY 291 NEVFYFLGDHFRDMLMNQLR 311  
Db 320 DPLVFLAGDTFRRRLSRATR 340

RESULT 4  
US-08-749-707-4  
Sequence 4, Application US/08749707  
Patent No. 6063582

GENERAL INFORMATION:  
APPLICANT: Conley, Pamela B.  
APPLICANT: Jantzen, Hans-Michael  
TITLE OF INVENTION: NOVEL PURINERGIC RECEPTOR  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MORGAN, LEWIS & BOCKIUS LLP  
STREET: 1800 M Street, N.W.  
CITY: Washington  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20036-5869  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/749,707  
FILING DATE: 15-NOV-1996  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Adler, Reid G.  
REGISTRATION NUMBER: 30,988  
REFERENCE/DOCKET NUMBER: 044481-5010-01-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-467-7000  
TELEFAX: 202-467-7176  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 373 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-749-707-4

Query Match 28.4%; Score 495.5; DB 3; Length 373;

Best Local Similarity 36.4%; Pred. No. 3, 1e-29;  
Matches 117; Conservative 59; Mismatches 124; Indels 21; Gaps 9;

QY 7 W-NATCKNMLA---EAALEK-----YIISITYGIEFVVGVGNTIVVGYIFSLKMN 56  
Db 25 WGNSTVTSFAAASPFKCAITKGFQFYLLPAYIIVFIIGFIGNSVAIWMPFVHNKPS 84  
QY 57 SSNIYFENLSVSLAFCLTLPMLIRSYAN-GNNVYGDVLCISNRVYLANLYSIILFIF 115  
Db 85 GIVSVYFNFLADFLVLTLPALIFYPFNKTWIFGDACKLORFPHVLYGSIILFLTC 144  
QY 116 ISIDRYLIKYPREHLQKEFAILISLAIWLVLTLELPIPLINPVTDDNGT-TCND 174  
Db 145 ISAHRSYGVVYPLKSGRLKKNAVVISLVWLVVVGISPIIFSGTGRKKKTTICVD 204  
QY 175 PASGSDPNYNLIYSNGLIILGFIPLFVM--CFYYKIALFLKQNRQVATAPL-EXPL 231  
Db 205 TTSDEYLRSYFYSMCTTAMFCVPLVLLIGCGILVRALIVDLDNS-----PLRRKSI 259

QY 232 NVIVAVIVSFVPEFPHVMNRVRIASRLGSKWQYQCT-QVINSFYITRPLAFINSVI 290  
Db 260 YVIVIVLVFAVSYPFHVMKTMNLRLARLDFQPEWCANFNDRVATYQVTRGLASINS CV 319  
QY 291 NEVFYFLGDHFRDMLMNQLR 311  
Db 320 DPLVFLAGDTFRRRLSRATR 340

RESULT 5  
US-08-513-974B-374  
Sequence 374, Application US/08513974B  
Patent No. 6114139

GENERAL INFORMATION:  
APPLICANT: Hinuma, Shuji  
APPLICANT: Hosoya, Masaki  
APPLICANT: Fujii, Ryo  
APPLICANT: Ohtaki, Tetsuya  
APPLICANT: Fukusumi, Shoji  
APPLICANT: Ogi, Kazuhiro  
TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,  
PRODUCTION, AND USE THEREOF  
NUMBER OF SEQUENCES: 380  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP  
STREET: 130 Water Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/513,974B  
FILING DATE: 14-SEP-1995  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/JP95/01599  
FILING DATE: 10-AUG-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 7-093989  
FILING DATE: 19-AUG-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 7-057186  
FILING DATE: 16-MAR-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 7-007177  
FILING DATE: 20-JAN-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 6-326611  
FILING DATE: 28-DEC-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 6-270017  
FILING DATE: 02-NOV-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 6-236357  
FILING DATE: 30-SEP-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 6-236356  
FILING DATE: 30-SEP-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 6-189274  
FILING DATE: 11-AUG-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 6-189273  
FILING DATE: 11-AUG-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 6-189272  
FILING DATE: 11-AUG-1994  
ATTORNEY/AGENT INFORMATION:

NAME: Resnick, David S.  
REGISTRATION NUMBER: 34,235  
REFERENCE/DOCKET NUMBER: 45753  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617-523-3400  
TELEFAX: 617-523-6440  
INFORMATION FOR SEQ ID NO: 374:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 362 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-513-974B-374

Query Match 28.3%; Score 494; DB 3; Length 362;  
Best Local Similarity 35.8%; Pred. No. 3.9e-29;  
Matches 116; Conservative 60; Mismatches 118; Indels 30; Gaps 9;

QY 3 GIMAWNATCKNWLAAEAALEKYYISIFGIEFVGVGLNTIVVGYIFSLKNWSSNIYL 62  
DB 21 GWAAGNATTKCSL-TKTGFQFYLPVTYVILFITGFLGNSVAIMWFVPHMRPWGSIYVM 79  
QY 63 FNLSVSDLAFLCTLPMLIRSYAN-GNWTYGDVLCISNRYVLHANLYTSILFLTFISIDRY 121  
DB 80 FNLAADFLYVLTLPALLFYFNKTDWIFGDVWCKLQRFHVNLYGSLILFLTCISVHY 139  
QY 122 LIIKYPFRELHLLQKEFAILSLAIWLVLTLELPIL-----PLINVIITDNGTTCNDF 175  
DB 140 TGVVHPLKSLGRKKKNVYVSSLVWALVAVIAPILFYSGIGVRRNKTITCYDTTADY 199  
QY 176 ASSGDPNLYSMCLTLLGLLPLFVM--CFYKIALFLKQRNRQVATLPL-EKPLN 232  
DB 200 LRS-----YFVYSMCTTVFMFCIPFVILGCGYGLIVKALYKDLNS-----PLRRKSTY 249  
QY 233 LVIMAVVIFSVFPTPYHVMNRVIRASRGMKQVCTQVW-----INSFYIVTRELAPLN 287  
DB 250 LVIIVTVFVAVSYLPFFHWKTLNLRARL-----DFQTPQMCAPNDKVYATYQVTRGLASLN 305  
QY 288 SVINPVFYLGLDHFDRDMLMNLQR 311  
DB 306 SCVDPILYFLAGDTFRRLSRATR 329

RESULT 6  
US-08-513-974B-373  
Sequence 373, Application US/08513974B  
Patent No. 6114139  
GENERAL INFORMATION:  
APPLICANT: Hinuma, Shuji  
APPLICANT: Hosoya, Masaki  
APPLICANT: Fujii, Ryo  
APPLICANT: Ohtaki, Tetsuya  
APPLICANT: Fukusumi, Shoji  
APPLICANT: Ohgi, Kazuhiro  
TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,  
TITLE OF INVENTION: PRODUCTION, AND USE THEREOF  
NUMBER OF SEQUENCES: 380  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP  
STREET: 130 Water Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/513,974B  
FILING DATE: 14-SEP-1995

CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/JP95/01599  
FILING DATE: 10-AUG-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 7-093989  
FILING DATE: 19-AUG-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 7-057186  
FILING DATE: 16-MAR-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 7-007177  
FILING DATE: 20-JAN-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 6-326611  
FILING DATE: 28-DEC-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 6-270017  
FILING DATE: 02-NOV-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 6-236357  
FILING DATE: 30-SEP-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 6-236356  
FILING DATE: 30-SEP-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 6-189274  
FILING DATE: 11-AUG-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 6-189273  
FILING DATE: 11-AUG-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 6-189272  
FILING DATE: 11-AUG-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Resnick, David S.  
REGISTRATION NUMBER: 34,235  
REFERENCE/DOCKET NUMBER: 45753  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617-523-3400  
TELEFAX: 617-523-6440  
INFORMATION FOR SEQ ID NO: 373:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 373 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-513-974B-373

Query Match 21.9%; Score 383; DB 3; Length 373;  
Best Local Similarity 31.7%; Pred. No. 5.3e-21;  
Matches 97; Conservative 57; Mismatches 136; Indels 16; Gaps 7;

QY 7 WNATCK-NWLAAEAALE-----KY-YLSIFYGIEFVGVGLNTIVVGYIFSLKNWNS 57  
DB 8 WNSTINGTWEGDELGYKQRFNEDEKYLPLPVSYGVVWCVGLCLNVALYIFLCRLKIWA 67  
QY 58 SNIYFNLSVSDLAFLCTLPMLIRSYANG-NWIVGDVLCISNRYVLHANLYTSILFLTFI 116  
DB 68 STTYMFHLAVSDSLYAAASLPLLVYVYARGDHPFSTVLCKLVRFYFNLYCSILFLTCI 127  
QY 117 SIDRYLIKYPFRELHLLQKEFAILSLAIWLVLTLELPILPINPINVIDNGTTCNDFA 176  
DB 128 SVHRCGLVLRPLHSLRWGRARYARRVAAVWVVLVLAQAPVLVYFVTTSVRGTRITCHDTS 187  
QY 177 SSGDPNLYSMCLTLLGLLPLFVMCFYKIALFLKQRNRQVATLPL--LEKPLNLV 234  
DB 188 ARELFHFVAYSSVMLGLLFAVPFSEVILVCVLMARLLKPAYGTGGLPRAKRSVRTI 247  
QY 235 IMAVVIFSVFPTPYHVMNRVIRASRGMKQYQC--TQWINSFYIVTRPLAFNSVINPV 293  
DB 248 ALVLAVALCFLPHVTRTYYSFRS---LDLSCHTILNAINMAYKITRPLASNSCLDPV 304



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; FILING DATE: 10-AUG-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-093989
; FILING DATE: 19-AUG-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-057186
; FILING DATE: 16-MAR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-007177
; FILING DATE: 20-JAN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-326611
; FILING DATE: 28-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-270017
; FILING DATE: 02-NOV-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-236357
; FILING DATE: 30-SEP-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-236356
; FILING DATE: 30-SEP-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-189274
; FILING DATE: 11-AUG-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-189273
; FILING DATE: 11-AUG-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-189272
; FILING DATE: 11-AUG-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Resnick, David S.
; REGISTRATION NUMBER: 34,235
; REFERENCE/DOCKET NUMBER: 45753
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-523-3400
; TELEFAX: 617-523-6440
; INFORMATION FOR SEQ ID NO: 371:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 328 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-513-974B-371

Query Match 21.1%; Score 368.5; DB 3; Length 328;
Best Local Similarity 30.3%; Pred. No. 5.3e-20;
Matches 96; Conservative 58; Mismatches 128; Indels 35; Gaps 8;

Qy 22 EKYLSIFPGIEFVVGVLGNTIVVGYIFSLKNNSSNIYLFNLSVSDLAFLCTLPMLIR 81
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 25 KRLLLTPYSVVVLVGLPNICVIAQICASRRTLTSAVYTLNLALADLMYACSLPLLIY 84
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 82 SYANG-NWYGDVLCISNRYVLANHYLSILFLTFISIDRYLIIKYPERE-HLLQKKEFA 139
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 85 NYARGDHWPFQDLACRFVRFYANLHGSILFLTCISQFYRLGICHPLASWHKGGRRAA 144
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 140 ILISIAIWLVTLELLPLINPVTIDNGTTCNDFASSGDPNPNLYISMCLTLLGLFIP 199
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 145 WVVCVWLAATAQLPTAVFAATCIQRNRTVCYDLSPLILSTRVLPYGMALTWIGFLP 204
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 200 LFVCMFFYYKIALFLKQRNVATALPL-----EKPLNLVIMAVVFSVPPTPYHVRNV 254
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 205 FIALLACYCRMA---RRLCRQDGPAGVPAQERRSKAARMVVAFAISPLPFIHTKTA 261
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 255 RIASRLGSKQYQCTQVINSF---YIVTRPLAFNSVINEVFYLLGDHFRDMLMQLR 311
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 262 YLAVER--STPGVSCP--VLETFAAAYKGRTPFASVNSVLDPLIFFTQOKFR----- 309
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Qy 312 HNFKSLTSFSRWAHELL 328
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 310 -----RQPHDLL 316
```

```

RESULT 9
US-08-513-974B-56
; Sequence 56, Application US/08513974B
; Patent No. 6114139
; GENERAL INFORMATION:
; APPLICANT: Hinuma, Shuji
; APPLICANT: Hosoya, Masaki
; APPLICANT: Fujii, Ryo
; APPLICANT: Ohtaki, Tetsuya
; APPLICANT: Fukusumi, Shoji
; APPLICANT: Ohgi, Kazuhiro
; TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
; TITLE OF INVENTION: PRODUCTION, AND USE THEREOF
; NUMBER OF SEQUENCES: 380
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
; STREET: 130 Water Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/513,974B
; FILING DATE: 14-SEP-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/JP95/01599
; FILING DATE: 10-AUG-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-093989
; FILING DATE: 19-AUG-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-057186
; FILING DATE: 16-MAR-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-007177
; FILING DATE: 20-JAN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-326611
; FILING DATE: 28-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-270017
; FILING DATE: 02-NOV-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-236357
; FILING DATE: 30-SEP-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-236356
; FILING DATE: 30-SEP-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-189274
; FILING DATE: 11-AUG-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-189273
; FILING DATE: 11-AUG-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-189272
; FILING DATE: 11-AUG-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Resnick, David S.
; REGISTRATION NUMBER: 34,235
; REFERENCE/DOCKET NUMBER: 45753
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-523-3400
; TELEFAX: 617-523-6440
; INFORMATION FOR SEQ ID NO: 56:
```

SEQUENCE CHARACTERISTICS:  
LENGTH: 328 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-513-974B-56

Query Match 20.5%; Score 358.5; DB 3; Length 328;  
Best Local Similarity 30.5%; Pred. No. 2,9e-19;  
Matches 96; Conservative 51; Mismatches 133; Indels 35; Gaps 8;

QY 30 YGIEPVVGLNTIVVGYIFSLKNNSSNIYLFNLVSVDLAFCTLPMLIRSYANG-NW 88  
DB 33 YSAVLAAGPLNLCVITQCTSRALTRAVYTNLADLVAACSLPLIYVYAGDHW 92  
QY 89 IYGDVLCISNRVLANLYTSILFTFISIDRYLTIKYPRE-HLQKKEPALISLAIW 147  
DB 93 PGDFACRLVRFLEFANLHGSILFTLCISFORLGIChPLAPMHRKGRRAAMLVCVTW 152  
QY 148 VLVTELEPLILPLINPVITDNGTCNDPSSGDPVNYLIYSMCLTLGLPLIFVWCFFY 207  
DB 153 LAVTTOCLPTALFAATGIQRNRTVCYDLSPPALATHMYGALVIGFLPPALLACY 212  
QY 208 YXIALFLKORNRQVATAPLE-----KPLNLVIMAVVISVPTPYVWNRVRIASRLS 262  
DB 213 CLLAGL---CRQDGPABEPAQERGRKAARMVVAAPAIISFLPHITKTAVLA--VGS 267  
QY 263 WKQYQCTOVVINSF---YVTRPLAFINSVINPVYFLLGDHFRDMLNQLRHNKSLTS 319  
DB 268 TGVCPCT--VLEFAAAYKGTBPASANSVLDPLIFYTQKKR----- 309  
QY 320 FSRMAHELLSPREK 334  
DB 310 --RRPHELLQKLTAK 322

RESULT 10  
US-08-513-974B-380

Sequence 380, Application US/08513974B  
Patent No. 6114139

GENERAL INFORMATION:  
APPLICANT: Hinuma, Shuji  
APPLICANT: Hosoya, Masaki  
APPLICANT: Fujii, Ryo  
APPLICANT: Ohtaki, Tetsuya  
APPLICANT: Fukusumi, Shoji  
APPLICANT: Onogi, Kazuhito  
TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,  
TITLE OF INVENTION: PRODUCTION, AND USE THEREOF  
NUMBER OF SEQUENCES: 380  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP  
STREET: 130 Water Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/513,974B  
FILING DATE: 14-SEP-1995  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/JP95/01599  
FILING DATE: 10-AUG-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 7-093989  
FILING DATE: 19-AUG-1995

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 7-057186  
FILING DATE: 16-MAR-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 7-007177  
FILING DATE: 20-JAN-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 6-326611  
FILING DATE: 28-DEC-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 6-270017  
FILING DATE: 02-NOV-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 6-236357  
FILING DATE: 30-SEP-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 6-236356  
FILING DATE: 30-SEP-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 6-189274  
FILING DATE: 11-AUG-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 6-189273  
FILING DATE: 11-AUG-1945  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: JP 6-189272  
FILING DATE: 11-AUG-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Resnick, David S.  
REGISTRATION NUMBER: 34,235  
REFERENCE/DOCKET NUMBER: 45753  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617-523-3400  
TELEFAX: 617-523-6440  
INFORMATION FOR SEQ ID NO: 380:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 328 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-513-974B-380

Query Match 20.5%; Score 358.5; DB 3; Length 328;  
Best Local Similarity 30.5%; Pred. No. 2,9e-19;  
Matches 96; Conservative 51; Mismatches 133; Indels 35; Gaps 8;

QY 30 YGIEPVVGLNTIVVGYIFSLKNNSSNIYLFNLVSVDLAFCTLPMLIRSYANG-NW 88  
DB 33 YSAVLAAGPLNLCVITQCTSRALTRAVYTNLADLVAACSLPLIYVYAGDHW 92  
QY 89 IYGDVLCISNRVLANLYTSILFTFISIDRYLTIKYPRE-HLQKKEPALISLAIW 147  
DB 93 PGDFACRLVRFLEFANLHGSILFTLCISFORLGIChPLAPMHRKGRRAAMLVCVTW 152  
QY 148 VLVTELEPLILPLINPVITDNGTCNDPSSGDPVNYLIYSMCLTLGLPLIFVWCFFY 207  
DB 153 LAVTTOCLPTALFAATGIQRNRTVCYDLSPPALATHMYGALVIGFLPPALLACY 212  
QY 208 YXIALFLKORNRQVATAPLE-----KPLNLVIMAVVISVPTPYVWNRVRIASRLS 262  
DB 213 CLLAGL---CRQDGPABEPAQERGRKAARMVVAAPAIISFLPHITKTAVLA--VGS 267  
QY 263 WKQYQCTOVVINSF---YVTRPLAFINSVINPVYFLLGDHFRDMLNQLRHNKSLTS 319  
DB 268 TGVCPCT--VLEFAAAYKGTBPASANSVLDPLIFYTQKKR----- 309  
QY 320 FSRMAHELLSPREK 334  
DB 310 --RRPHELLQKLTAK 322

RESULT 11  
US-08-442-134A-2

Sequence 2, Application US/08442134A  
Patent No. 5596088  
GENERAL INFORMATION:  
APPLICANT: Boucher, Richard C.  
APPLICANT: Weisman, Gary A.  
APPLICANT: Turner, John T.  
APPLICANT: Harden, Thomas K.  
APPLICANT: Parr, Claude E.  
APPLICANT: Sullivan, Daniel M.  
APPLICANT: Erb, Laura  
APPLICANT: Lustig, Kevin D.  
TITLE OF INVENTION: DNA Encoding the Human P2U Receptor and  
NUMBER OF SEQUENCES: 8  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Bell, Seltzer, Park & Gibson  
STREET: Post Office Drawer 34009  
CITY: Charlotte  
STATE: No. 5596088th Carolina  
COUNTRY: USA  
ZIP: 28234  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/442.134A  
FILING DATE: 16-MAY-1995  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Sibley, Kenneth D.  
REGISTRATION NUMBER: 31,665  
REFERENCE/DOCKET NUMBER: 5470-71A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 919-420-2200  
TELEFAX: 919-881-3175  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 375 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-442-134A-2

Query Match 20.3%; Score 355; DB 1; Length 375;  
Best Local Similarity 33.3%; Pred. No. 5.9e-19;  
Matches 102; Conservative 52; Mismatches 134; Indels 18; Gaps 9;  
Qy 7 WNATCK-NWLAABAALE-----KY-YLSIFYGIEFVGVGLGNTIVVYGYIFSLKNWNS 57  
Db 8 WNDTNGTWGDELGYRCRNFEDFKYVLLPVSYGVCVGLCLNAVGLYIFLCRLKTWNA 67  
Qy 58 SNIVLNLVSDFLCTLPMLIRSYANG-NWYIGDVLICISNRYVLHANLYTSILFLTFI 116  
Db 68 STTMFHLAVSDALYAASLPVLYYARGDHPFSTVLCKLVRFYFNLYCSILFLTCI 127  
Qy 117 SIDRYLIKIYPFRELHLOKKEFAILISAIWLVLTLELLPLINPVIITDNGTTCNDEFA 176  
Db 128 SVHRCGLVLRPLSLRWGRARYARRVAGAVWVLVACQAPVLYFVT-TSARGPLTCHDTS 186  
Qy 177 SSGDPNNVLIYSMCLTLLGLFIPFVMCFYFYKIALFKQRNRQVATAPLPLEKPLNLVIM 236  
Db 187 APELFSRFVAYSSVMGLGLLFAVPFAVILVCVLMARRLLKPAYGTSGGLPRAKRKSVRTI 246  
Qy 237 AVV--IFSVPTPYHVMNRVIRASRLGSKWQYQC--TQVWINSFYIVTRPLAFNLNSINPV 293  
Db 247 AVVLAVALCPFLPHVTRTLTYYSFRS----LDLSCHTLNAINMAYKVTR-LASANSCLDPV 302  
Qy 294 FYFLIG 299  
Db 303 LYFLAG 308

RESULT 12  
US-08-444-581B-2  
Sequence 2, Application US/08444581B  
Patent No. 5607836  
GENERAL INFORMATION:  
APPLICANT: Boucher, Richard C.  
APPLICANT: Weisman, Gary A.  
APPLICANT: Turner, John T.  
APPLICANT: Harden, Thomas K.  
APPLICANT: Parr, Claude E.  
APPLICANT: Sullivan, Daniel M.  
APPLICANT: Erb, Laura  
APPLICANT: Lustig, Kevin D.  
TITLE OF INVENTION: DNA Encoding the Human P2U Receptor and  
NUMBER OF SEQUENCES: 8  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Bell, Seltzer, Park & Gibson  
STREET: Post Office Drawer 34009  
CITY: Charlotte  
STATE: No. 5607836th Carolina  
COUNTRY: USA  
ZIP: 28234  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/444,581B  
FILING DATE: 19-MAY-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/442,134  
FILING DATE: 16-MAY-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Sibley, Kenneth D.  
REGISTRATION NUMBER: 31,665  
REFERENCE/DOCKET NUMBER: 5470-71A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 919-420-2200  
TELEFAX: 919-881-3175  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 375 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-444-581B-2  
Query Match 20.3%; Score 355; DB 1; Length 375;  
Best Local Similarity 33.3%; Pred. No. 5.9e-19;  
Matches 102; Conservative 52; Mismatches 134; Indels 18; Gaps 9;  
Qy 7 WNATCK-NWLAABAALE-----KY-YLSIFYGIEFVGVGLGNTIVVYGYIFSLKNWNS 57  
Db 8 WNDTNGTWGDELGYRCRNFEDFKYVLLPVSYGVCVGLCLNAVGLYIFLCRLKTWNA 67  
Qy 58 SNIVLNLVSDFLCTLPMLIRSYANG-NWYIGDVLICISNRYVLHANLYTSILFLTFI 116  
Db 68 STTMFHLAVSDALYAASLPVLYYARGDHPFSTVLCKLVRFYFNLYCSILFLTCI 127  
Qy 117 SIDRYLIKIYPFRELHLOKKEFAILISAIWLVLTLELLPLINPVIITDNGTTCNDEFA 176  
Db 128 SVHRCGLVLRPLSLRWGRARYARRVAGAVWVLVACQAPVLYFVT-TSARGPLTCHDTS 186  
Qy 177 SSGDPNNVLIYSMCLTLLGLFIPFVMCFYFYKIALFKQRNRQVATAPLPLEKPLNLVIM 236  
Db 187 APELFSRFVAYSSVMGLGLLFAVPFAVILVCVLMARRLLKPAYGTSGGLPRAKRKSVRTI 246  
Qy 237 AVV--IFSVPTPYHVMNRVIRASRLGSKWQYQC--TQVWINSFYIVTRPLAFNLNSINPV 293



Db 247 AVVLAVFALCFPFHVTRILYISFRS---LDLSCHTLNAINMAKYKTR-LASANSCLDPV 302  
QY 294 FYFLG 299  
Db 303 LYFLAG 308

## RESULT 13

US-08-446-088A-2  
; Sequence 2, Application US/08446088A  
; Patent No. 5691156

GENERAL INFORMATION:  
; APPLICANT: Boucher, Richard C.  
; APPLICANT: Weisman, Gary A.  
; APPLICANT: Turner, John T.  
; APPLICANT: Harden, Thomas K.  
; APPLICANT: Parr, Claude E.  
; APPLICANT: Sullivan, Daniel M.  
; APPLICANT: Etd, Laura  
; APPLICANT: Lustig, Kevin D.  
; TITLE OF INVENTION: DNA Encoding the Human P2U Receptor and  
; NUMBER OF SEQUENCES: 8  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Bell, Seltzer, Park & Gibson  
; STREET: Post Office Drawer 34009  
; CITY: Charlotte  
; STATE: No. 5691156th Carolina  
; COUNTRY: USA  
; ZIP: 28234

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/446, 088A  
; FILING DATE: 19-MAY-1995  
; CLASSIFICATION: 435

## ATTORNEY/AGENT INFORMATION:

NAME: Kenneth D. Sibley  
REGISTRATION NUMBER: 31,665  
REFERENCE/DOCKET NUMBER: 5470-71C  
TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 919-420-2200  
; TELEFAX: 919-861-3175

## INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:  
; LENGTH: 375 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-446-088A-2

Query Match 20.3%; Score 355; DB 1; Length 375;  
Best Local Similarity 33.3%; Pred. No. 5,9e-19;

Matches 102; Conservative 52; Mismatches 134; Indels 18; Gaps 9;

QY 7 WNAATCK-NMLAAEALE-----KY-YLSIFGYIEFVGVGNTIVVGYISLKNMNS 57  
Db 8 WNDITNGTWGDDELGYRCRNEDEPKYVLLPVSYGVVCVGLCLNAGVGLYIFLCRLTKWNA 67  
QY 58 SNLYFNLSVDLAFLCTLMPLIRSYANG-NMITYGDLICSNRYVLANLYTSILFTFI 116  
Db 68 STTYMFHLAVSDALYAASLPVLYYYARGDHPFSTVLCVRFYTNLYCSILFTICI 127  
QY 117 SIDRYLIKKYFPFHEHLQKKEFALISLAIWVLTLELLPLINPVIITDNGTTCNDFA 176  
Db 128 SVARCGLVAPLRLSLRGARARVAVAGVWVLVLAQAPVLYFTV-TSARGPLTCHDTS 186  
QY 177 SSGDPVNYNLIYSMCLTLLGLPLFVWCFFYYKIALFLKQRNQVATAPLEKPLNVLIM 236  
Db 187 APELFSRFVAVSSVMGLLFAVFAVILVCYVIMARRLLKPAYGTSGGLPRAKKSVRTI 246

QY 237 AVV--IFSVPTFPYHVRNRIASRLGSMKYOQC--TQVINSEFYIVTRPLAFINSVINPV 293  
Db 247 AVVLAVFALCFPFHVTRILYISFRS---LDLSCHTLNAINMAKYKTR-LASANSCLDPV 302  
QY 294 FYFLG 299  
Db 303 LYFLAG 308

## RESULT 14

US-08-559-524A-3  
; Sequence 3, Application US/08559524A  
; Patent No. 5871963

GENERAL INFORMATION:  
; APPLICANT: Conley, Pamela B.  
; APPLICANT: Jantzen, Hans-Michael  
; TITLE OF INVENTION: NOVEL PURINERGIC RECEPTOR  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MORGAN, LEWIS & BOCKIUS LLP  
; STREET: 1800 M Street, N.W.  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20036-5869

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/559, 524A  
; FILING DATE: 15-NOV-1995  
; CLASSIFICATION: 435

## ATTORNEY/AGENT INFORMATION:

NAME: Adler, Reid G.  
REGISTRATION NUMBER: 30,988  
REFERENCE/DOCKET NUMBER: 044481-5010-00-US  
TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-467-7176  
; TELEFAX: 202-467-7176

## INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:  
; LENGTH: 375 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-559-524A-3

Query Match 20.3%; Score 355; DB 2; Length 375;  
Best Local Similarity 33.3%; Pred. No. 5,9e-19;

Matches 102; Conservative 52; Mismatches 134; Indels 18; Gaps 9;

QY 7 WNAATCK-NMLAAEALE-----KY-YLSIFGYIEFVGVGNTIVVGYISLKNMNS 57  
Db 8 WNDITNGTWGDDELGYRCRNEDEPKYVLLPVSYGVVCVGLCLNAGVGLYIFLCRLTKWNA 67  
QY 58 SNLYFNLSVDLAFLCTLMPLIRSYANG-NMITYGDLICSNRYVLANLYTSILFTFI 116  
Db 68 STTYMFHLAVSDALYAASLPVLYYYARGDHPFSTVLCVRFYTNLYCSILFTICI 127  
QY 117 SIDRYLIKKYFPFHEHLQKKEFALISLAIWVLTLELLPLINPVIITDNGTTCNDFA 176  
Db 128 SVARCGLVAPLRLSLRGARARVAVAGVWVLVLAQAPVLYFTV-TSARGPLTCHDTS 186  
QY 177 SSGDPVNYNLIYSMCLTLLGLPLFVWCFFYYKIALFLKQRNQVATAPLEKPLNVLIM 236  
Db 187 APELFSRFVAVSSVMGLLFAVFAVILVCYVIMARRLLKPAYGTSGGLPRAKKSVRTI 246  
QY 237 AVV--IFSVPTFPYHVRNRIASRLGSMKYOQC--TQVINSEFYIVTRPLAFINSVINPV 293

Db 247 AVVLAVFALCFPHVTRTLTYFSFRS---LDLSCHTLNAINMAYKVTR-LASANSCLDPV 302

Qy 294 FYFLLG 299

Db 303 LYFLAG 308

Db 303 LYFLAG 308

Search completed: December 5, 2002, 13:20:48  
Job time : 16 secs

RESULT 15

US-08-749-707-3

; Sequence 3, Application US/08749707

; Patent No. 6063582

; GENERAL INFORMATION:

; APPLICANT: Conley, Pamela B.

; APPLICANT: Jantzen, Hans-Michael

; TITLE OF INVENTION: NOVEL PURINERGIC RECEPTOR

; NUMBER OF SEQUENCES: 14

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: MORGAN, LEWIS & BOCKIUS LLP

; STREET: 1800 M Street, N.W.

; CITY: Washington

; STATE: D.C.

; COUNTRY: USA

; ZIP: 20036-5869

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/749,707

; FILING DATE: 15-NOV-1996

; CLASSIFICATION: 536

; ATTORNEY/AGENT INFORMATION:

; NAME: Adler, Reid G.

; REGISTRATION NUMBER: 30,988

; REFERENCE/DOCKET NUMBER: 044481-5010-01-US

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 202-467-7000

; TELEFAX: 202-467-7176

; INFORMATION FOR SEQ ID NO: 3:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 375 amino acids

; TYPE: amino acid

; STRANDEDNESS:

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-749-707-3

Query Match 20.3%; Score 355; DB 3; Length 375;  
Best Local Similarity 33.3%; Pred. No. 5.9e-19;  
Matches 102; Conservative 52; Mismatches 134; Indels 18; Gaps 9;

Qy 7 WNAICK-NWLAARALE-----KY-YLSIFYGIEFVGVGLNTIVVYGYIFSLKNWNS 57

Db 8 WNDFTINGWDGDELYRCRNFEDFKYLLPVSYGVGVCLNAGVLIYFLCRLKTWNA 67

Qy 58 SNIVFLNLSVSDLAFLCPLPMLIRSYANG-NWYGDVLCISNRVVLHANLYTSILFLTFI 116

Db 68 STTYMFHLAVSDALYAASPLLVVYARGDHPFSTVLCVLRFLFYTNLYCSILFLTCI 127

Qy 117 SIDRYLIKIYFPRHLLQKKEFAILISLAIWVLTLELLPILPLINPVITONGTTCNDFA 176

Db 128 SVHRCLGLVLRPLRSURMGARYARRVAGAVWVLVLAQAPVLYFVT-TSARGPLTCHDTS 186

Qy 177 SSGDPNNLYISMCLITLLGLIPLFVCMCFYKYKIALFLKORNRQVATAPLEKPLNLVIM 236

Db 187 APELFSRFVAYSSVMGLLFAVPFAVILVCVLMARRLLKPAYGTSGGLPRAKRSVRTI 246

Qy 237 AVV--IFSVPPTPYHVMNRVRIASRLGSKQYQC-TQVINSFYIVTRPLAFLNSVINPV 293

Db 247 AVVLAVFALCFPHVTRTLTYFSFRS---LDLSCHTLNAINMAYKVTR-LASANSCLDPV 302

Qy 294 FYFLLG 299